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- as to applicant's entitlement to apply for and be granted a
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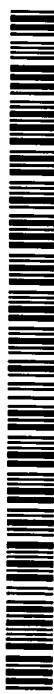
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For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: POLYETHYLENE FILMS FOR PACKAGING

(57) Abstract: An elastic film comprising a polymer blend comprising (percent by weight): 1) 50 to 80% of an ethylene polymer composition comprising a recurring unit derived from an ester selected from (1) ethylenically unsaturated organic monomer of esters of unsaturated C₃-C₂₀ monocarboxylic acids and C₁, to C₂₄ monovalent aliphatic or alicyclic alcohols, and (2) vinyl esters of saturated C₂-C₁₈ carboxylic acids, wherein the ester content ranging from 2.5 to 8 wt% based on the total weight of the final ethylene polymer composition; the ethylene polymer composition having a density ranging from 0.920 to 0.935 g/mL; and 2) 20 to 50% of an ethylene-based polymer component having a density ranging from 0.9 to 0.930 g/mL and a melt flow rate up to 4 g/10 min. The film that has a ratio between the MD Elmendorf tear resistance and TD Elmendorf tear resistance of 0.3 or less is suitable for pallet application as banding tape.



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INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/005353

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08L23/08 C08J5/18
//(C08L23/08,C08L23:04)

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 C08L C08J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 065 359 A (UNION CARBIDE CORP) 24 November 1982 (1982-11-24) page 1, line 9 - line 11 page 5, line 14 - page 6, line 1; claims; examples 3,13,14	1-3,6
X	US 4 504 434 A (COOPER BARRY A) 12 March 1985 (1985-03-12) column 3, line 59 - column 5, line 68; claims; example 12	1-3,6
A	US 5 344 884 A (MCDANIEL MAX P ET AL) 6 September 1994 (1994-09-06) claims; example II	1-3,6
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

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INTERNATIONAL SEARCH REPORT

International Application No
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	WO 01/60909 A (NEGRI LUIGI ; MOPLEFAN SPA (IT); PERRONE CORRADO (IT)) 23 August 2001 (2001-08-23) claims; table 1 -----	1-6
A	US 2002/032258 A1 (ISHIHARA KOJI ET AL) 14 March 2002 (2002-03-14) claim 1 -----	1-6

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2004/005353

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

As a result of the prior review under R. 40.2(e) PCT,
no additional fees are to be refunded.

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☒ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1 (first part), 2, 3, 6 (as referred to claim 1, 1st part)

Elastic film comprising: (I) ethylene polymer composition and (II)(i) a linear polyethylene. Banding tape thereof.

2. claims: 1 (second part), 4, 5, 6 (as referred to claim 1, 2nd. part)

Elastic film comprising (I) ethylene polymer composition and (II)(ii) a blend of polyethylene and (ii) an interpolymer of propylene/alpha-olefin/ethylene having a xylene insoluble fraction greater than 70%. Banding tape thereof.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/005353

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